

**ENGLISH COMPONENT – CYCLE 4 SESSION 1**

**MONGODB: THE DATABASE FOR MODERN APPLICATIONS**

**WORKSHEET 4.1**

**Worksheet 4.1.1**

**Work on the interactive activity and then write down the meaning of each of the words from the list.**

* Search:Buscar-look for information
* Field:Campo-area of study
* Suite Of Tools:Collection-coleccion de herramientas/set of tools
* To Power:turn on – to supply with energy/encender,potenciar
* Store Data:Almacenar datos/ save or keep information
* Nested Objects:Objects inside other object/objetos anidados
* An Array:A collection of objects/coleccion de objetos
* A Use Case:Caso de uso/UML methodology which describes of features of a web site
* A Query:To consult to a database-request information/una consulta
* The Graphical User Interface (GUI):Interfaz grafica de usuario

**Worksheet 4.1.2**

**Write the vocabulary word next to its definition.**

1. **\_\_Nested objects\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** are the objects that are inside of an another object
2. **\_\_\_\_To power\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** to turn on.
3. **\_\_\_\_\_\_\_GUI\_\_\_\_\_\_\_\_\_\_\_\_\_** is a form of [user interface](https://en.wikipedia.org/wiki/User_interface) that allows [users](https://en.wikipedia.org/wiki/User_(computing)) to [interact with electronic devices](https://en.wikipedia.org/wiki/Human%E2%80%93computer_interaction) through graphical [icons](https://en.wikipedia.org/wiki/Icon_(computing)) and audio indicator such as primary notation, instead of [text-based user interfaces](https://en.wikipedia.org/wiki/Text-based_user_interface), typed command labels or text navigation.
4. **\_\_\_Store data\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** to safe or keep information.
5. **\_\_\_\_Search\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** means to look for something.
6. **\_\_\_\_Array\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is a data structure that contains a group of elements.
7. **\_\_\_\_Query\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is a question, often expressed in a formal way.
8. **\_\_\_\_Suite of tools\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is a set of things or items needed or used for something.
9. **\_\_\_\_\_\_Field\_\_\_\_\_\_\_\_\_\_\_\_\_\_** a particular branch or study of activity or interest
10. **\_\_\_A use case\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is a list of actions or event steps typically defining the interactions between a role and a system to achieve a goal.

**Worksheet 4.1.3**

**READING STRATEGY**

**Watch the video and answer the questions**

[Summarizing While Reading - YouTube](https://www.youtube.com/watch?v=oSOsezIR4kk)

1. What is summarizing?

* Summarizing is resume in few words the main ideas of the text

1. How does summarizing help me become a better reader?

* We can monitor our own understanding
* It lets us practicing making decisions
* It can used in many subjects or real life situations
* Better understanding and better relationship with the whole text

1. Summarizing on narrative text focuses on

* Story elements
* Characters
* Plot
* Setting
* Conflict
* Resolution

1. Summarizing expository text focuses on

* The main idea of the article

**Worksheet 4.1.4**

**READING**

**Read the text, highlight the main idea and key words, then create a graphic organizer to summarize the main points of the text.**

**MONGODB: THE DATABASE FOR MODERN APPLICATIONS**

MongoDB is a general purpose, document-based, distributed database created for modern application developers and for the cloud era. No database makes you more productive. It is used by millions of developers **to power** the world's most innovative products and services

MongoDB is a document database, which means it **stores data**. We believe this is the most natural way to think about data, and it is much more expressive and powerful than the traditional row/column model.

MongoDB is the most natural and productive way to work with data. It supports **arrays** and **nested objects** as values. It also allows for flexible and dynamic schemas.

**Powerful query language**

Mongo DB uses rich and expressive **query** language that allows you to filter and sort by any **field**, no matter how nested it may be within a document. It provides support for aggregations and other modern **use-cases** such as geo-based search, graph search, and text search.

**More than just a database**

MongoDB is a true data platform with a comprehensive **suite of tools** to make working with data very easy for everyone, from developers to analysts to data scientists.

**Charts**

Charts are the fastest way to create visualizations of MongoDB data. All the charts are built for the document model. You can visualize live data from any of your MongoDB instances.

**Compass**

You can **search**, visualize, and work with your data through an intuitive GUI. You can also manipulate your data with a powerful visual editing tool.

**Worksheet 4.1.5**

**WRAP-UP**

**GRAPHIC ORGANIZERS**

Use the links below to create your own graphic organizer.

* [thps://www.canva.com/graphs/graphic-organizers/](https://www.canva.com/graphs/graphic-organizers/)
* <https://www.edrawsoft.com/share-graphic-organizer.html>

**Worksheet 4.1.6**

**SELF-EVALUATION**

**Fill out the following self-evaluation section.**

1. Entiendo qué es MongoDB.

**Yes 😃 Maybe 😐 No 😟**

1. Entiendo en qué consiste la estrategia de Summarizing.

**Yes 😃 Maybe 😐 No 😟**

1. La estrategia de Summarizing me ayuda a tener clara la información principal de un texto.

**Yes 😃 Maybe 😐 No 😟**